

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:001

Delivery Order #:06

Date: 8/1/05

Weather: Warm to Hot

Temp. (max & min):70-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Initial mobilization and equipment delivery.

Materials/Equipment Delivered: Two storage bin units, Worker Trailer, PVC piping and fittings, portable restrooms (2), portable sink, Storage Shelving Kits (2), Multiple power tool package including drill, rotary saw, and other basic power tools. Miscellaneous hand tools and 350-feet of fencing fabric were also delivered.

#### **QC Summary:**

Materials: Storage units in good condition, with normal wear and tear; externally, units have some dents.

Trailer unit is in good condition externally. Internally, trailer appears to be in good condition, but we will have to wait for power to verify working order of lighting, switches, etc.

PVC piping is ¾" Schedule 40.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractor

Sage Consultants, Inc. at Site and in general vicinity establishing coordinate system, survey datum control and temporary control points, preparatory to marking and staking well locations and proposed trenchlines.

Off-Site office work by Sage included verifying accuracy of the coordinate system (office) so that trench and well stake placements will be accurate on Site.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem. Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:  
Mobilization and equipment delivery phase.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Preparatory phase meeting with Sage subcontractors. They are establishing a coordinate system so that they can perform the staking SOW on Site tomorrow. Their work today is off-Site, but we still covered Health and Safety requirements, PPE, Site conditions, etc. Tomorrow, before beginning their on-Site work, I will cover all applicable AHAs, along with the daily H&S tailgate.

At the end of the day, verified temporary markers and coordinate establishment activities conducted by Sage as "Initial Phase" CQC. No deficiencies observed.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT		
Contractor's Name: TN&Associates		
Contract Number: <b>DACA45-00-D-0006</b>		
Site Name & Location: Pemaco; Maywood, CA		
<p style="text-align: center;">INSTRUCTIONS</p> <p>The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.</p>		
Report #:002	Delivery Order #:06	Date: 8/2/05
Weather: Warm to Hot	Temp. (max & min):70-90 (est)	Rainfall (in):
<p>1. Work performed today by primary contractor on site and/or off site (include a complete description):</p> <p style="margin-left: 40px;">Equipment Delivered: Small dump truck, water truck (4000 gal), backhoes (2), small excavator, extended-reach fork truck, 25 Kw generator, trench sheeps-foot roller, 2 jumping jacks, plate compactor.</p> <p style="margin-left: 40px;">Materials: 4x4s (for phone line post/work benches), plywood sheets (for work benches), 3 bags concrete.</p>		
<p>2. Work performed by subcontractors on site and/or off site (include a complete description):</p> <p style="margin-left: 40px;"><u>Subcontractor:</u> Sage Consultants, Inc. on Site. The subcontractors staked and delineated the "ERH" area in accordance with the coordinate system established from field and office. Existing well locations within the ERH area were also established. Following completion of ERH area staking, subcontractors began staking the "West Trench" centerline beginning at the north end of Site and working south to 59<sup>th</sup> Place street area.</p> <p style="margin-left: 40px;">Sage off-Site work included coordinating the staking locations and coordinates with their office.</p>		

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem. Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Performed a walk-through inspection with Sage following their completed staking activities for the day (F). The delineated ERH boundaries closely matched previously estimated boundaries using GPS, an assurance that stake placement was correct and accurate.

In addition to ERH-area delineation, alignment stakes along approximately 500 feet of the proposed trench centerline were also laid. The centerline stakes were flagged with blue ribbons to differentiate them from other on-Site stakes.

**Safety Meetings**

Prior to beginning any work activities, a preparatory meeting was conducted with Sage. The meeting included a discussion of potential safety hazards noted on the "Daily Tailgate Meeting" form, as well as AHA 2 "Staking and Surveying Activities." Subcontractor understood and is aware of potential hazards on Site, including contamination, dust, trip hazards, etc., and will have Level-D PPE during all on-Site work.

No deficiencies in materials or work performed on this day.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:003

Delivery Order #:06

Date: 8/3/05

Weather: Warm to Hot

Temp. (max & min):70-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Mobilization, equipment delivery, fuel tank setup.

Calibrated dust monitor meter and took baseline readings near end of day inside Site, along bikepath, and perimeter streets. Baseline readings ranged from 60-85 mg/m<sup>3</sup> for a time-weighted average over seven locations in or around the Site.

#### **QC Summary:**

Materials: PVC Piping for well connections and trenchlines-2", 4", 6" and fittings, reducers, etc, PVC cement and primer. I verified all equipment was delivered and accounted for according to invoiced order, and inspected all piping and fittings. All piping and fittings in new condition and ready for use.

2. Work performed by subcontractors on site and/or off site (include a complete description):

#### Subcontractor:

Spectrum Geophysics on Site. Following safety and preparatory meetings, subcontractors began utility clearance and detection services along trench alignment, 10 feet to either side of the trench centerline stakes that had been set by Sage Consultants, Inc.

Sage not on Site, but they are doing office work including coordinating staking locations and coordinates for tomorrow's work.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem. Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:

None

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Conducted Preparatory Phase meeting concurrent with H&S meeting with Spectrum. Reviewed contract requirements-their SOW was to clear area 10-feet to either side of staked trench centerline, all the way to the treatment compound area, in addition to well offshoots from the main trench centerline.

**Safety Meetings:**

Prior to beginning any work activities, a preparatory meeting was conducted with the Spectrum subcontractor. The meeting included a discussion of potential safety hazards noted on the "Daily Tailgate Meeting" form, as well as covering all items in AHA 3 "Geophysical Survey." Subcontractor understood and is aware of potential hazards and contamination on Site.

Also conducted "Tailgate Meeting" with Sage upon their return to the Site. All H&S forms signed.

No deficiencies in materials or work performed on this day.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative



## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:004

Delivery Order #:06

Date: 8/4/05

Weather: Warm to Hot

Temp. (max & min):70-90 (est)

Rainfall (in):

**Incidents:** Arrived at Site to discover that expensive equipment, including new soil compaction units, were stolen from the Site last night. Inventory of missing items and estimated loss value include:

1 Diesel Jumping Jack (compaction unit); \$3,500

1 Gas Jumping Jack (compaction unit); \$2,500

1-Vibra plate; \$2,000

1-Ryobi 18V Tool Kit; \$500

1-Skil Saw; \$169

1-Socket Set; \$90

1-6" Vise (Double); \$79

2-Locks; \$15

2-Tool Boxes; \$2,500 (Sam Serpa's personal tools)

**Total Estimated Loss: \$11,264**

Perpetrator cut outer fabric and fence to get into Site. Storage unit lock encasements and hinge areas indicated torch burns. Locks securing storage units were cut off and removed. Cut fence, cut locks, and burn marks on storage unit appears to be extent of damage to equipment. As noted, value of stolen equipment and tools is estimated to be over \$10,000. The stolen compaction rental equipment alone that had been delivered yesterday appeared to be brand new had an estimated value of \$6,000.

A report was filed with the local police, and an officer came on Site to inspect damage and note stolen items.

---

## **RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

### **Inspections**

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Establishment of Exclusion Zone where West Trench excavation will begin. The EZ extends at least 30-feet from any initial excavation activities which will be performed over the next several days. The EZ will be modified as work progresses to ensure that a 30-foot distance from excavation areas is continually established. The EZ is large enough to allow large excavation equipment sufficient space to perform work.

2. Work performed by subcontractors on site and/or off site (include a complete description):

#### Subcontractors:

Spectrum Geophysics on Site. Following tailgate safety meeting and review of AHAs, subcontractors continued utility clearance activities along the full length of the "West Trench".

Miller-Brooks on Site to raise the wells to be destroyed next week. The wells to-be-destroyed are in the ERH area. Subcontractor has significant experience with Site, as they have performed raising or lowering of monitoring wells and other services over the last few years. Following tailgate safety meeting and affirmation of Work Scope, subcontractor began well raising activities. Dave Allen monitored and observed the well raising activities. The subcontractors raised a total of 8 wells to be destroyed before leaving Site.

Sage Consultants, Inc off-Site work included coordinating the staking locations and coordinates with their office.

#### **QC Summary:**

Materials: Office materials, staplers, file folders, etc. I verified that all invoiced materials were delivered.

A new Ryobi work tool kit was purchased to replace the stolen kit. The new kit was smaller than the original, and had three power tools instead of the five the other kit had.

#### **Safety Meetings:**

Prior to beginning any work activities, all hazards relating to excavation or earthwork activities were discussed in accordance with prepared AHAs. In addition, Sam Serpa expanded on potential issues based on his construction experience. In addition, the general H&S topics covered in the daily "Tailgate

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Meeting" were reviewed. A general approach to the work, hazard communication, traffic coordination, etc. was discussed. All H&S forms signed.

After the EZ was marked near the end of the day, I verified its perimeter and scanned the entire area within the EZ. In the EZ area, I found two twine lines from previous park grading activities were identified. The lines were running 6 inches above the ground between metal stakes and posed a trip hazard in the EZ. I flagged the length of the twine lines with caution tape so that they can be seen clearly. The lines and trip hazards found in the EZ will be of special note in tomorrow's Tailgate Meeting.

PID monitoring was performed for breathing space during well raising activities. No contaminants were detected.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem. Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Conducted comprehensive safety meeting with all TN crew covering all AHAs associated with trenching and excavations and earthwork. Anticipated work and procedures for conducting work discussed, with much input from Construction Manager.

I-Did a Site walk with Spectrum verifying utility search and clearance was performed 10' to either side of trench centerline as well as proposed well locations. Spectrum has marked potential subsurface utilities as well as areas where care should be taken while excavating.

Took photographs of EZ setup.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

I,F-I observed the wells raised by Miller-Brooks. The raised wells were 3-5 feet above surface grade. No excavations or holes were left open-i.e. as part of well-raising, subcontractor backfilled all excavated areas to surface-grade.

No deficiencies in materials or work performed on this day.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:005

Delivery Order #:06

Date: 8/5/05

Weather: Warm to Hot

Temp. (max & min):70-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Subcontractor coordination, Site preparation, excavation preparation, planning and meetings. Sam Serpa, John Hartley, John Wingate, Parley, Danny, Stephen Bahr in meeting. John Wingate addressed and clarified final field work, proper trench sloping, and general engineering items.

Calibrated Noise meter per manufacturer recommendations.

Near the end of work day, began excavating i.e. "broke ground" on the West Trench line at its northern extent. Approximately 15 feet of trench were excavated. A water truck and hose were used to keep the dust down during excavation and stockpiling activities. Ear plug protection was provided to all personnel near equipment, and PID and dust air monitoring were performed during work. Observed careful, deliberate work at a safe pace among all personnel.

All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around the open trench.

#### **QC Summary:**

##### Materials:

The large and main trailer unit arrived today to provide office space for engineering and construction management activities. Office furniture, tables, chairs, etc were set up in the trailer. Power and phone lines to the large trailer unit should be set up by the middle of next week.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

Sage Consultants on-Site, staking existing well locations. In addition, they completed staking the "East Trench" centerline, working from the north to south end. Sage completed all work items expected for the day. With the noted staking activities completed today, utility clearance of the East Trench can proceed on schedule on Monday, 8/8. Spectrum Geophysics is scheduled to come out early morning and with their equipment, detect and clear all utilities along the East Trench, 10-feet to either side of the staked centerline. Spectrum cleared the proposed well locations and trench offshoots near the north end of the East Trench.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem. Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:

None

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

Inspected the following:

I & F - Staking and Geophysical Surveying. Areas of potential utilities or subsurface abnormalities noted with staking and pink paint by Spectrum.

**Safety Meetings:**

Daily tailgate meeting conducted, covering general H&S, PPE, and Site hazards. Discussed the slip/trip hazards I flagged in the EZ yesterday.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

PID monitoring was performed for breathing space during well raising activities. PID indicated only background levels of contamination.

No deficiencies in materials or work performed on this day.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT		
Contractor's Name: TN&Associates		
Contract Number: <b>DACA45-00-D-0006</b>		
Site Name & Location: Pemaco; Maywood, CA		
<p style="text-align: center;">INSTRUCTIONS</p> <p>The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.</p>		
Report #:006	Delivery Order #:06	Date: 8/6/05
Weather: Warm to Hot	Temp. (max & min):70-90 (est)	Rainfall (in):
<p>1. Work performed today by primary contractor on site and/or off site (include a complete description):</p> <p style="padding-left: 40px;">Continued trench centerline excavation started yesterday and also excavated PB-7 and PB-6 offshoot lines. Installed connected piping along these excavation lines. Used a laser leveling system, stakes, and lines to verify grade as excavation proceeded.</p> <p style="padding-left: 40px;">Excavated 220 feet of trench centerline, not including the PB-7 and PB-6 offshoot lines. Took photographs of excavations, piping, and grade lines.</p> <p style="padding-left: 40px;">PID air monitoring equipment was fresh-air calibrated.</p> <p style="padding-left: 40px;">All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around the open trench areas. Two small, open excavations outside the trenching exclusion zone were noted, and temporary safety fencing was placed around these also.</p>		
<p>2. Work performed by subcontractors on site and/or off site (include a complete description):</p> <p style="padding-left: 40px;"><u>Subcontractors:</u> No Subcontractors on Site today.</p>		
<p>3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.</p> <p>The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem.</p>		



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:

Delivery of a 200-lb compactor unit. Unit arrived mid-day and fill sand was compacted in all excavated trench lines.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

I-Present during excavation and pipe laying activities.  
Verified PVC fitting orientations and grading establishment.

**Safety Meetings:**

Daily tailgate meeting conducted, covering general H&S, PPE, and Site hazards. Briefly reviewed Earthwork and Excavation AHA's.

No deficiencies in materials or work performed on this day.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

RAPID RESPONSE QUALITY CONTROL DAILY REPORT		
Contractor's Name: TN&Associates		
Contract Number: <b>DACA45-00-D-0006</b>		
Site Name & Location: Pemaco; Maywood, CA		
<p style="text-align: center;">INSTRUCTIONS</p> <p>The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.</p>		
Report #:007	Delivery Order #:06	Date: 8/8/05
Weather: Warm to Hot	Temp. (max & min):70-90 (est)	Rainfall (in):
<p>1. Work performed today by primary contractor on site and/or off site (include a complete description):</p> <p style="padding-left: 40px;">Continued trench centerline excavation to the PB-2, PB-3 and PB-4 offshoot line. Additional personnel that will be conducting excavation, pipe laying, and other project work on Site.</p> <p style="padding-left: 40px;">The offshoot line (175 ft.) was excavated to an estimated grade based on the elevation data available, to be verified or modified tomorrow.</p> <p style="padding-left: 40px;">Photographed of excavations, piping, and grade lines.</p> <p style="padding-left: 40px;">Calibrated PID air monitor. No contaminants were detected by PID in breathing zone or excavated soil (0.0 ppm).</p> <p style="padding-left: 40px;">Personal Dust Meter Readings: 0.228 TWA and 9.821 Max.</p> <p style="padding-left: 40px;">All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around the open trench areas.</p>		
<p>2. Work performed by subcontractors on site and/or off site (include a complete description):</p> <p style="padding-left: 40px;"><u>Subcontractors:</u></p> <p style="padding-left: 40px;">Spectrum Geophysics on Site performing utility clearance along the East Trench and its offshoot lines, 10-feet to either side of the staked centerline, according to schedule.</p> <p style="padding-left: 40px;">Miller-Brooks also on Site to raise existing wells.</p>		

### **RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

The daily personnel cost report is required for all cost reimbursable work on site and off site including subcontractors. At a minimum, the cost report shall provide: report title, site name, contractor, contract number, delivery order number, date, employee name and classification, hourly labor rates (regular, overtime or other), total hours (regular, overtime or other) and per diem. Labor costs shall be summed for: each employee, the entire daily report, the entire delivery order (up to the date of the report), and the percentage of the estimated cost of labor.

4. On-site conditions which resulted in delayed progress:

During the afternoon, we did not have sufficient surveying and elevation data to accurately determine trench depths. This will not be an issue tomorrow, as Sage will be out early in the morning and staking all defined lines and offsets along the West and East main trenchlines and offshoots.

Also, a main water line closely parallels the proposed East trench line along a distance of approximately 50', requiring some design adjustments which are still being addressed.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Preparatory meeting with Miller-Brooks subcontractors. Discussed order of raising wells, and order and priority of well raisings. The priority for Miller-Brooks is to raise all wells along the East Trench line, from North to South, so that excavation of the East Trench can start and proceed tomorrow without personnel or equipment interference.

I-Present during excavation and pipe laying activities along the West Trench. Verified PVC connections and orientations.

#### **Safety Meetings:**

For personnel on Site for the first time, a H&S meeting was conducted covering H&S manual and applicable sections to excavation and earthwork, including necessary AHAs, Site orientation, hospital route, PPE, etc.

Daily tailgate meeting conducted at beginning of day for all, covering general H&S, PPE, and Site hazards. Briefly reviewed Earthwork and Excavation AHA's.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

As previously noted, the PB-2,3,4 offshoot line grading was estimated but the exact elevations and design standards will be verified for this trenchline when Sage subcontractors arrive tomorrow.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:008

Delivery Order #:06

Date: 8/9/05 (Tues)

Weather: Warm to Hot

Temp. (max & min):75-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Sage Contractors on Site and provided final elevation and grading information needed to complete the PB-2,3,4 off line excavation to required grade. Sage also completed staking the West Trench offset lines to the "Support Zone" area, providing elevation and grading information on all set offsets. Sage also began staking the East Trench line offsets, so that excavation could begin and proceed along that trench today. All well locations and elevations were also established. Due to the nearby water line conflicting with a portion of the proposed East Trench centerline (as noted in yesterday's daily QC Report), deviation from the proposed design is likely; therefore, Sage will complete staking along the East Trench when final design is established for the noted portions.

East Trench excavation commenced in the afternoon, and approximately 200' of the East Trench was completed by the end of the day, including the line to PC-7 well.

Photographed of excavations, piping, and grade lines.

Pressure tested installed piping from the north end of the West Trench to the PB-2,3,4 offshoot. Static pressure held at 25 psi for one hour.

No contaminants were detected by PID in breathing zone or excavated soil (0.0 ppm).

Exclusion Zone was expanded/modified to include East Trench work areas. All trenching and earthwork is being performed in the cordoned exclusion zone. At the end of the day, temporary snow fencing was set up immediately around open trench/excavation areas.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Sage Contractors** on Site as noted.

**Spectrum Geophysics** on Site for about 4 hours during the morning, verifying utility clearance along the entire proposed East Trench line and its offshoots, 10-feet to either side.

**Miller-Brooks** again on Site to continue well raising activities.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

None.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

I-Present during excavation and pipe laying activities along the East Trench to verify general grading.

Verified pipeline runs and orientation and gluing of connection fittings.

**Safety Meetings:**

For personnel on Site for the first time, a H&S meeting was conducted covering H&S manual and applicable sections to excavation and earthwork, including necessary AHAs, Site orientation, hospital route, PPE, etc.

Daily tailgate meeting conducted at beginning of day for all, covering general H&S, PPE, and Site hazards.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:009

Delivery Order #:06

Date: 8/10/05 (Wed)

Weather: Warm to Hot

Temp. (max & min):70-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

The 60' offshoot line to PB-8 from the East Trench was excavated, as well as offshoot lines PC-6, PC-5, and PC-4 respectively 40', 16', 32'. PVC piping was laid along all portions of the East Trench centerline and its offshoots that were excavated yesterday.

Today, excavation along the West Trench proceeded south, including the PB-1 offshoot. Combined with the East Trench line excavation, over 250 feet of trench was excavated today, and approximately 200 feet of PVC piping was glued and laid. Sand backfill was placed as a base for the piping. Following placement, the pipelines were covered with sand backfill in 6-inch lifts and compacted with 200 lb compactor. Following sand base and cover, soil was backfilled into trench and compacted using the heavier "Jumping Jack" compactor.

Photographed excavations, piping, and grade lines.

No contaminants were detected by PID in breathing zone or excavated soil (0.0 ppm).

All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around the open trench areas.



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Miller-Brooks** again on Site to continue well raising activities. The following wells were located/raised today:

Located: B-30, B-32, B-39, VW-5, SV-1, VW-4, VW-3. These will be raised tomorrow.

**ABC Liovin** Drilling on Site. They are to destroy 9 existing wells, 6 of which are in the ERH area. The "to be destroyed" well list includes the following:

MW-15-70  
MW-15-85  
MW-16-70/90 (Nested wells)  
MW-17-70/85 (Nested wells)  
MW-17-95  
MW-18-70/85 (Nested wells)

Following safety meetings and mobilization, drillers were able to destroy nested wells MW-17-70/85 and 60-feet of well MW-15-85 in under 5 hours. As the drillers are now set up, they should be able to destroy 5 or 6 wells by the end of the week.

Three additional wells on Site will be destroyed after completing ERH-area well destructions. The three wells, B-6, B-14, and B-16, are near the west trenchline and it is anticipated that these well destructions will be completed early next week, 8/16 or 8/17.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

Trenching and piping operations proceeded without any significant delays today, although some delay in pipe laying and backfilling may occur over the next day or two, pending delivery of proper fittings for waterline containment piping. Delays will be minimized by continuing trenchline excavations.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Preparatory meeting with ABC-Liovin drilling for well destructions SOW. Preparatory meeting included reviewing SOW and well destruction list and reviewing procedures for conducting and completion destructions.

I-Continue to verify piping connections, fittings, reducers, etc. are properly placed and that pipe laying activities are progressing along the East and West Trench. Verified PPE being utilized by all personnel in exclusion zone.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel on Site, covering general H&S, PPE, and Site hazards.

Discussed modifications to Exclusion Zone perimeter and reviewed significance and hazards in the EZ.

For ABC drilling subcontractors, discussed general H&S plan and the applicable well drilling/well destruction AHA's.

Conducted H&S meeting and required AHA's for electrical subcontractors who were connecting office trailers to city power.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:010

Delivery Order #:06

Date: 8/11/05  
(Thurs)

Weather: Warm to Hot

Temp. (max & min):70-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Conducted hour-long pressure test, from 8:04-9:04 am, for the installed piping along the West Trench, beginning at the north end of the trench to the DA,DB-7 well area. Pressure test included the PB-2,3,4 offshoot line and its connections. A 2 psi loss was observed over the hour-long test. The leak was detected at a fitting along the main trenchline near the DA,DB-7 connections will run. The leaky connection will be replaced with a new connection, and the area left exposed until new testing can verify connection integrity.

Also conducted hour-long pressure test, from 7:50-8:50, for installed piping along the East Trench, from the north end of the trench to the PC-5 offshoot line. Static pressure held at 25 psi for one hour. According to the pressure gauge, there was no visible psi loss over the hour, although a very tiny air leak was observed at a coupling. [Update: The leak was fixed with cement, rechecked and retested with no loss-See 8/13 Daily.]

An additional 140 feet were excavated today along the East Trench centerline. Well SV-4, an old well part of the original SVE system on Site, was uncovered in the middle of the trench excavation. The trench is sufficiently wide to allow the PVC piping to run to the east side of the well; thus, the well can be preserved and raised and may be used as a monitoring location once system installation is complete.

In addition to the excavation, backfilling over installed PVC lines until reaching DA-7/DA-8 offshoot lines, which will remain exposed until all piping and conduit lines can be installed.

Backfilling was conducted using the imported base course sand in a 6-inch lift, followed by moderate-duty compaction. Following sand cover compaction, the remaining trench depth was backfilled with native excavated soil.

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

The backfill process was completed by compacting fill with a heavy-duty Jumping Jack compactor. The two joints where leaks were detected during the pressure test remain exposed and were not covered so that repair and retesting of these joints can be performed.

Photographed excavations, piping, and grade lines.

An additional trenchline has been field-designed and will run parallel and east of the design East Trench line. The additional line will allow connection piping to run directly to "DA," "DB" extraction wells rather than having multiple crossings from these wells to the original line. This is necessary to avoid several crossings around gas and water lines in that area. The proposed additional trench line will run from DA-9 south near PD-1, and will then meet up with and be reconnected to the original trench line.

No contaminants were detected by PID in breathing zone or excavated soil (0.0 ppm).

All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around existing and freshly excavated trenches.

Calibrated all four dust monitors, using identical procedures for each. Following calibration, two units were set up to monitor the Site perimeter-one near the East Trench next to the bike path wall (BP unit) and one at the 59<sup>th</sup> street fence near Walker Avenue (59<sup>th</sup> unit). The third monitor was placed in the EZ area near the West Trench (EZ unit), and the fourth was kept on person to monitor worker exposure around the excavation areas (Person unit).

Each monitor's readings were recorded for morning and afternoon work periods. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Morning		Afternoon	
	TWA(mg/m3)	Max(mg/m3)	TWA(mg/m3)	Max(mg/m3)
BP (918)	0.118	1.663	0.123	4.514
EZ (1210)	0.200	2.324	0.131	17.03
Personal (968)	0.092	1.55	0.048	4.023
59th (1211)	0.173	4.8	0.119	4.8

No contaminants were detected by PID in breathing zone or excavated soil (0.0 ppm).

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Sage Consultants** on Site to stake the major West Trench offshoot which runs to Walker avenue and splits, continuing north and running parallel to 59<sup>th</sup> street, as shown on final drawings. The trenchline to be cut along Walker avenue was delineated with white paint; corresponding elevation offshoot markings were made on the sidewalk. Sage also completed staking proposed well locations along East and West trenches, and replaced previously-placed stakes that had been knocked down. The subcontractors also assisted in grade checking and verification of as-built grades.

**Spectrum Geophysics** on Site, checking/clearing subsurface utilities from East Trench to bike path wall to make way for the additional trenchline.

**Miller-Brooks** again on Site to continue well raising activities. The following wells were located/raised today:

Raised: B-30, B-32, B-39, VW-5, SV-1, VW-4, VW-3.

**ABC Liovin** Drilling on Site, continuing well destructions. The well destructions are proceeding as follows:

MW-15-70- Completed today, 8/11/05  
MW-15-85 - Completed today, 8/11/05  
MW-16-70/90 - To begin tomorrow, 8/12/05  
MW-17-70/85 - Completed 8/10/05  
MW-17-95 - Completed 60' today, 8/11/05  
MW-18-70/85 - Not yet started.

B-6;B-16;B-14 - Not yet started.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Connecting pipelines and backfilling dependant upon receipt of materials and fittings. Clamshell fittings required for containment pipe were ordered. Delays minimized by continuing trenching operations while necessary fittings are received.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Preparatory meeting with Sage at beginning of day, reviewing work scope and priority items.

I-Was in communication with Sage throughout day reviewing progress and completion of priority items.

F-Did walk through at end of day, verified completion of all priority items noted in Preparatory meeting.

I-Continue to inspect trench work as it progresses, including verification of grading and staking setup, sand fill, backfilling and compaction, and general progress of work.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

Discussed Exclusion Zone perimeter and reviewed potential hazards and PPE requirements for all personnel working in the EZ.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

### RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

#### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:011

Delivery Order #:06

Date: 8/12/05  
(Fri)

Weather: Warm to Hot,  
Overcast to Sunny

Temp. (max & min):68-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Continued backfilling, grading, and pipe laying activities. Commenced excavation of the DAB-8 trenchline, which parallels 59<sup>th</sup> street. By end of day, approximately 190 feet of the trench was completed.

Laid pipelines will be pressure tested tomorrow (Saturday), and connections checked for leaks.

Discussed observations regarding H&S and general H&S review for Site with Mr. William Fink. Prepared checklist of H&S items and documentation based on discussion. Mr. Fink generally satisfied with Site H&S implementation.

All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around existing and freshly excavated trenches.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) Near north end of East Trench, at bike path wall (BP unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit);
- 4) On-person monitor (Personal).

Each monitor's readings were recorded for morning, and reset for a separate afternoon reading. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

Area (Unit #)	Morning		Afternoon	
	<u>TWA(mg/m3)</u>	<u>Max(mg/m3)</u>	<u>TWA(mg/m3)</u>	<u>Max(mg/m3)</u>
BP (918)	0.075	1.017	0.061	0.623
EZ (1210)	0.107	1.017	0.083	2.454
Personal (968)	0.028	0.467	0.021	0.917
59th (1211)	0.102	0.729	0.070	1.039

Fresh-air calibrated PID monitor. No contaminants were detected by PID in breathing zone or excavated soil (0.0 ppm).  
Will continue to calibrate and monitor work areas with PID.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Spectrum Geophysics** on Site for continued utility clearance.

**Miller-Brooks** again on Site to continue well raising activities.  
The following wells were located/raised today:

Located: B-16, B-15, B-20, B-4, B-5, B-19, as well as several wells located on WW Henry Site. Located wells to be raised tomorrow (Saturday).

**ABC Liovin Drilling** on Site, continuing well destructions. The well destructions are proceeding as follows:

MW-15-70- Completed 8/11/05  
MW-15-85 - Completed 8/11/05  
MW-16-70/90 - Completed today, 8/12/05  
MW-17-70/85 - Completed 8/10/05  
MW-17-95 - Completed today, 8/12/05  
MW-18-70/85 - To begin Monday, 8/15  
B-16 - Completed today, 8/12/05

B-6 - To begin Monday, 8/15  
B-14 - Not yet started.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Delays were minimized by continuing excavations and earthwork. Shipment of piping materials was received today, including CPVC pipe and clamshell containment fittings. With the delivery of these needed materials, significant progress will now be made in pipe laying and backfilling, catching up to trenchline excavations.



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Preparatory meeting with Spectrum at beginning of day, reviewing work scope and priority items.

F-Did walk through at end of day with Spectrum subcontractors and verified completion of utility clearance along 59<sup>th</sup> street and Walker Avenue.

I-Continue to inspect trench work as it progresses, including verification of grading and staking setup, sand fill, backfilling and compaction, and general progress of work.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:012

Delivery Order #:06

Date: 8/13/05  
(Sat)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Completed the DAB-8 trenchline (260 total feet) that was started yesterday, excavating east and additional 70 feet toward the West Trench centerline. Laid all piping, including 2" waterline and 6" containment, along DAB-8 excavation. 120-foot or air line was also laid today. Following line installations, a portion of the trenchline was backfilled to allow for ingress and egress of equipment and traffic.

Conducted a pressure test to 25 psi for connected pipeline along East Trench. The pin-hole leak previously detected had been successfully repaired and no other leaks were detected. No loss in psi was observed during the pressure test. All fittings were checked for leaks using a soap-water solution. Following the pressure testing, all completed sections (~160 feet) along the East Trench were backfilled and compacted. Well SV-4, which had been uncovered on 8/11, was raised above ground surface prior to backfill completion.

The leaky fitting in the West Trench that had been detected during the pressure test on Thursday 8/11, was replaced.

By the end of the day, 200 ft. of pipeline (water, vapor, electrical) All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around existing and freshly excavated trenches.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Sage** subcontractors again on Site, assisting with slope checking for the West Trench and DAB-8 offshoot line, as well as locating and establishing water and gas line locations and elevations. A tee joint was uncovered for the gas and water lines. Sage surveyed top and bottom elevations of each line, which will assist us in placement and orientation of connection system piping.

Water Line: Top Elevation 138.13 ft.  
Bottom Elevation 137.10 ft.

Gas Line: Top Elevation 137.00 ft.  
Bottom Elevation 136.50 ft.

Sage also surveyed the proposed additional East Trench line, which will be connecting DA/DB wells for line VE-3.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

Started installing/connecting double-wall piping. Instructed personnel on proper installation techniques and reviewed drawings.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P- Discussed proper installation techniques for double wall piping system, which is to be used for water extraction lines. Internal piping was connected and set into the outer containment pipelines. The fittings (elbows, tees) for the containment piping will be clear PVC schedule 40 "clamshell" fittings. These special fittings will be installed when proper training and adhesion techniques are demonstrated and proved.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

### RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

#### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:013

Delivery Order #:06

Date: 8/15/05  
(Mon)

Weather: Warm to Hot,  
Overcast to Sunny

Temp. (max & min):68-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Air compression line installed for DA/DB-7 wells. Began installation of electrical conduit line. The backfilled areas, especially along the East Trench, were regraded.

Installed snow fencing along perimeter of all open trenches.

All work is being performed in the cordoned exclusion zone. Additionally, temporary fencing was set up immediately around existing and freshly excavated trenches.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) Near north end of East Trench, at bike path wall (BP unit;
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit);
- 4) On-person monitor (Personal).

Each monitor's readings were recorded for morning, and reset for a separate afternoon reading. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Morning		Afternoon	
	TWA(mg/m3)	Max(mg/m3)	TWA(mg/m3)	Max(mg/m3)
BP (968)	0.003	0.368	0.011	2.956
EZ (1210;1211)	0.003	0.709	0.040	4.008
Personal (1519)	0.205	4.305	0.285	6.531
59th (1211)	0.122	0.513	E-Zone	E-Zone

Fresh-air calibrated PID monitors. Overcast and cool temperatures likely a factor in low dust concentrations. PID meter in breathing zone and of trenches and well installations indicated <1.0 ppm. Will continue to calibrate and monitor air space for trenching and drilling areas with PID.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**ABC Liovin** Drilling on Site and completed well destructions.  
The well destructions were completed as follows:

MW-15-70- Completed 8/11/05  
MW-15-85 - Completed 8/11/05  
MW-16-70/90 - Completed today, 8/12/05  
MW-17-70/85 - Completed 8/10/05  
MW-17-95 - Completed 8/12/05  
MW-18-70/85 -Completed today, 8/15  
B-16 - Completed 8/12/05

B-6 - Completed today, 8/15  
B-14 - Completed today, 8/15

**America West Drilling** on Site, beginning well installations.  
Well PB-7 (34 ft.) was installed today. Drilled well PB-6 to depth and will install the well tomorrow.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

Delays were minimized by continuing excavations and earthwork.  
Shipment of piping materials was received today, including CPVC pipe and clamshell containment fittings.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Preparatory meeting with America West-a TN&A person will be observing and monitoring the drillers at all times. Provided a complete list of construction details for each of the wells that AW will be installing.

I-At end of day, observed work performed and quality of pipeline installations. Construction Manager provided his observations regarding unsatisfactory work. Pipeline spacing not to spec along north end of West Trench.

## **RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

This and other issues will be addressed in-depth first thing in the morning. Other corrections and modifications will be addressed in a preparatory phase meeting which will be held with all personnel working to improve quality and understanding, as well as to clarify expectations of workmanship for all personnel.

F- All well destructions by ABC Drilling were completed by EOD Monday. Wells were grouted and overdrilled, according to Scope of Work.

### **Safety Meetings:**

Additional personnel from TN&A office arrived on Site. Conducted daily tailgate meeting for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:014

Delivery Order #:06

Date: 8/16/05  
(Tues)

Weather: Warm to Hot,  
Overcast to Sunny

Temp. (max & min):70-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Continued working south on West Trench, excavating from DA/DB-7 to the DAB-8 offshoot crossing - approximately 80 feet. Trench width increased to allow more spacing for the various pipelines. Spacing between pipelines approached specification of 4-6 inches, and as excavation continues south, trenches will be widened to allow sufficient spacing to specifications.

The DA/DB vapor line along the West Trench, designated "VE-1" in the design drawings, was installed today from DA/DB-7 to the DAB-8 offshoot line crossing. The vapor lines at this crossing will be connected and hydrostatically tested tomorrow to 150 psi for 1 hour, per specification. The compressed air line, electrical conduit lines, and dual-containment water lines were installed to the same crossing area.

A transport and relocation area was designated for the two large stockpiles near the bikepath, which were interfering with continued excavation along the East Trench. Moving the two stockpiles began today and will be completed tomorrow.

Installed "T" posts to which perimeter dust monitors were attached. Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) Near north end of East Trench, at bike path wall (BP unit;
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit);
- 4) Slauson perimeter fence line (Slauson)

Each monitor's readings were recorded for morning, and reset for a separate afternoon reading. A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Area (Unit #)	Morning		Afternoon	
	TWA(mg/m3)	Max(mg/m3)	TWA(mg/m3)	Max(mg/m3)
BP (968)	0.027	0.619	0.025	0.692
EZ (1210;918)	0.013	4.351	0.014	1.266
59th (1211)	0.094	0.340	0.074	0.545
Slauson (1519)	0.162	8.24	0.123	3.706

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**America West Drilling** on Site, continuing well installations. Well PB-6 was completed and well PB-5 was bored to depth.

**Twinning** on Site to conduct compaction testing. Compacting tests were performed at 5 locations on Site. Approximately 50 lbs of soil was collected in bags for delivery to lab for testing. At each location, a 2 to 3-foot trench, approximately 2' wide, was dug and a sample was collected from the small excavation. A surficial sample from each location was also collected. The samples were designated Trench 1 through Trench 5, at the following locations:

Trench 1: PB-6 offshoot line, which was completed last week including backfilling and compaction. The results of this sample will provide an indication of the compaction quality for a completed line.

Trench 2: West Trench centerline. Results of this sample will also provide an indication of the compaction quality for a portion of the completed West Trench.

Trench 3: East Trench centerline. Results of this sample will also provide an indication of the compaction quality for a portion of the completed East Trench.

Trench 4,5: Collected at locations not yet excavated or backfilled. The Trench 4 sample was collected near the ERH area and the Trench 5 sample was collected about 40-feet northeast of DA-5 near a not-yet-excavated portion of the West Trench centerline. Trench 4,5 samples will provide an indication of existing compaction prior to excavation activities in their respective locations.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Material shipments, PVC piping and fittings still being delivered. Delays were minimized by continuing excavation and focusing on proper installation and connection of various pipelines.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P-Preparatory meeting with all onsite project personnel involved with trenching/piping operations. The vapor line from DA/DB-7 connection was incorrectly connected to the perched-zone vapor line, instead of having its own piping (line VE-1) as per design. Also discussed the spacing requirements between pipelines and proper layout of lines in trench. Also overviewed upcoming excavation of "stepped" trench lines, where one side of the trench will be dug deeper than the other side, and pipelines and conduit will not be laying at the same depth.

In addition, proper disposal of used water bottles and trash was discussed, as this was an area that needs improvement.

**Action Taken:** This issue was addressed first thing in the morning and pipe installations and connections were corrected accordingly during the day. Additional focus will be placed on these topics as pipeline installation proceeds.

Garbage, bottles, and other trash cleaned from the work areas, trenchlines, etc.

P,I-Scope of work and locations for compaction testing (Twinning) defined on Site. The Twinning subcontractor collected soil samples from the surface and small excavations made at the five noted locations. Verified samples were collected and excavations performed in the noted areas.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:015

Delivery Order #:06

Date: 8/17/05 (Wed)

Weather: Cool to Hot,  
Overcast/Cool to Sunny

Temp. (max & min):68-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Completed stockpile relocation started yesterday. Backfilled DAB-7 offshoot line, leaving fittings exposed.

Demonstration on dual-containment fittings and proper connection and adhesion procedures. Following demonstration, glued two connections in the field-the 90-degree elbow at DA-7 and the tee connection at DA-6. Centralizers for carrier piping were installed prior to gluing. A blower was used in the trench during gluing to keep air flowing and minimize standing vapors.

Observed adhesive application and fitting placement. Extra care was used to ensure sufficient adhesive was applied and connections properly set. Took photographs during gluing and of connected fittings to containment piping.

Conducted hydrostatic testing of DA/DB-7 line and DAB-8 offshoot line individually, at the crossing area. Each line was hydrostatically tested to 150 psi for 1 hour, with no observable losses.

Continued to backfill West Trench, leaving DA/DB-7 connection and the crossing to DAB-8 exposed.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) Near north end of East Trench, at bike path wall (BP unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit);
- 4) Slauson perimeter fence line (Slauson)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

Area (Unit #)	Daily	
	TWA (mg/m3)	Max (mg/m3)
BP (968)	0.027	0.619
EZ (1210;1519-avg.)	0.071	13.54
59th (968)	0.123	8.896
Slauson (1211)	0.080	2.069

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**America West Drilling** on Site and completed PB-5, PB-4 well installations today. Bored PB-3 and PB-2 to depth and will complete those wells tomorrow.

**Sage Consultants** on Site. Sage marked and surveyed entire South Trench line along 60<sup>th</sup> street. Sage also surveyed "as-built" pipelines and trench for DAB-8 offshoot and West Trench. As-built slopes were accurate-within 0.1 percent of design slope, verifying grading accuracy.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

No major delays today. Materials still being ordered and delivered.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P,F - At beginning of day, outlined continued work scope and priority items for Sage. At the end of the day, verified all trench line and well markings. The Sage subcontractors continue to perform excellent work.

P,I - Drillers continued with work scope, completing perched well installations PB-5, PB-4, and drilled PB-3 and PB-2 to depth. Wells PB-3 and PB-2 will be installed tomorrow. TN&A personnel observing all well drilling and installation activities.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:016

Delivery Order #:06

Date: 8/18/05  
(Thurs)

Weather: Cool to Hot,  
Overcast/Cool to Sunny

Temp. (max & min):68-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Backfilled DAB-8 offshoot line. Excavated 240 additional feet along East Trench, including PD-3 well offshoot and laid approximately 175 feet of vapor line piping along newly excavated trench.

Encountered highly contaminated soil at about 9:00 am. Soil and breathing space contamination was detected during East Trench excavation in ERH area, near 400 ft. Station line. Air space monitoring indicated >10 ppm. Collected grab sample from excavated soil stockpile in plastic bag, and the PID reading hovered around 50 ppm. Observed some discoloration and staining along trench wall and a sample from the wall near the discoloration indicated a PID reading above 450 ppm. Evacuated area and monitored breathing space in trench. The PID indicated concentrations between 20 and 30 ppm for over 15 minutes along approximately 50 ft. of trench.

The blower unit was used to vent the trench and PID readings dropped to 3 ppm. The blower continuously vented the trench and work until readings were below 1 ppm for 15 minutes. PID was reading 0.0 ppm when work in area was continued. 3 PIDs monitors were used to continuously monitor air space. No additional "hot spots" were detected beyond the initial area. None of the excavated soil was used as backfill. The contaminated soil will be stockpiled in a designated "waste" area tomorrow.

In addition to air space monitoring, PID meters were used to monitor soil cuttings and breathing space for the drilling/well installation activities.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ/Personal unit);
- 4) Slauson perimeter fence line (Slauson)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
60th	0.137	2.467
Personal	0.098	2.544
59th (1211)	0.174	30.79
Slauson (968)	0.092	0.903

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**America West Drilling** continuing perched well installations. A list of well installations and dates is provided with the weekly QC report.

**Miller Brooks** on Site continuing well raising activities.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Delay of approximately 40 minutes while blower was used to evacuate contaminated air, until concentrations dropped below 3 ppm. Final trench air-space reading before work again began was 0.0 ppm. Blower unit continued to be used while work continued.



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

### RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

#### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:017

Delivery Order #:06

Date: 8/19/05 (Fri)

Weather: Cool to Hot,  
Overcast/Cool to Sunny

Temp. (max & min):68-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Approximately 300 feet of trench was excavated today.

Continued along East Trench, excavating 195 feet, including PD-1 offshoot (35-feet). Over 200 feet of vapor line piping was installed along newly excavated section and will be statically tested to 5 psi tomorrow.

Continued along West Trench, excavating 100 feet, to just past planned lateral crossing to Walker Ave. The cross line will be excavated towards Walker tomorrow. Widened trench to 4.5 feet, to allow sufficient space for DPE-A ("PA") vapor line, which runs along Walker and 59<sup>th</sup> Place.

Contaminated soil from yesterday was stockpiled and covered with plastic sheeting per procedures in Waste Management Plan (WMP) for excavated contaminated soil.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit);
- 4) Slauson perimeter fence line (Slauson)

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
60 <sup>th</sup> (1520)	0.098	1.383
EZ (1210;1211 avg.)	0.177	11.50
59th (968)	0.118	4.273
Slauson (918)	0.053	5.571

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**ABC Drilling** on Site. They are installing perched-zone wells.

**America West Drilling** continuing perched-zone well installations.

Well installations and dates are provided with the weekly QC report.

**Miller Brooks** on Site continuing well raising activities.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

No significant delays today.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

I - Drillers continued with work scope, completing perched well TN&A personnel observing all well drilling and installation activities.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Also discussed contaminated soil encountered yesterday, continued PID monitoring, and utilization of air blower in trench.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

### RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

#### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:018

Delivery Order #:06

Date: 8/20/05  
(Sat)

Weather: Cool to Hot,  
Overcast/Cool to Sunny

Temp. (max & min):68-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Continued West Trench excavation south 105 feet, to DA/DB-6 entry locations.

Excavated 55 feet of the lateral trench which connects the West trunk to Walker Ave, and installed the water, vapor, and conduit lines therein. In addition, completed static testing of 200 foot section of East Trench perched vapor line installed and capped yesterday. The line was statically tested at 5 psi for one hour with no losses, as indicated by pressure gauge. Following pressure testing of the vapor line, that portion of the East trench was backfilled, leaving only the capped end exposed to allow for further down-line connections.

Continued dust-monitoring schedule. Readings consistent with dailies previously taken this week.

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Miller Brooks on Site** continuing to expose and raise existing wells. Five wells were exposed today. On Monday, 8/22, MB will be backfilling and compacting excavated areas and raising remaining existing wells.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

Ran out of sand for base fill. Sand belonging to the City of Maywood park personnel was used for clean fill. More sand will be delivered on Monday.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Also discussed contaminated soil encountered yesterday, continued PID monitoring, and utilization of air blower in trench.

Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

### RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

#### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:019

Delivery Order #:06

Date: 8/22/05  
(Mon)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):68-100 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Continued East Trench East excavation. Re-designated location for well DA/DB-4. These wells will now be placed on West side of West Trench, as per original design. The piping to these wells was reconnected accordingly.

Connected piping and fittings to West Trench trunk for vapor lines laid Saturday along lateral trench which connects the West trunk to Walker Ave.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit)- for today, the unit was placed in the rear of the electric transport cart and high readings were likely due to dust created ;
- 4) Slauson perimeter fence line (Slauson)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
60 <sup>th</sup> (1520)	0.155	6.449
EZ (1210)	0.672	85.33
59th (918)	0.087	1.773
Slauson (1211)	0.117	0.880

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities and to continuously log readings along the 59<sup>th</sup> street perimeter. PID readings for all activities, including those continuously logged, indicated 0.0 ppm.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**ABC Drilling** on Site continuing with perched-zone well installations.

**America West Drilling** also installing perched-zone wells.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Redesign of DA/DB-4 locations, made necessary by layout of piping. The wells had been moved to the East side of the West Trench to allow LFR unfettered access to the area near the proposed park roundabout connecting Walker and 59<sup>th</sup>. The moving of these wells back to the west side of the trench was discussed with and agreed upon by LFR today.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

P-Met with drill crews regarding proposed order of well installations. A TN&A representative is dedicated to each drill crew and will oversee and log well installation activities.

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

### RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

#### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:020

Delivery Order #:06

Date: 8/23/05  
(Tues)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Continued laying piping along West Trench. Continued excavation of East-right trenchline.

Reduced the DPE-A vapor pipe size from the design 4-inches to 2-inches along the lateral connecting line to Walker Avenue from the West Trench. The line connects up to the West Trench parent line via a 90-degree elbow. The reduction in pipe diameter will increase vapor velocity, necessary to prevent condensate collection in the bottom of the vertical elbow fitting.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) In the EZ area near the West Trench (EZ unit)- for today, the unit was placed in the rear of the electric transport cart and high readings were likely due to dust created ;
- 4) Slauson perimeter fence line (Slauson)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA (mg/m3)	Max (mg/m3)
60 <sup>th</sup> (1520)	0.132	1.506
EZ (1210)	0.278	27.63
59th (918)	0.107	4.282
Slauson (1211)	0.118	4.878

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities and to continuously log readings along the 59<sup>th</sup> street perimeter. PID readings for all activities, including those continuously logged, indicated 0.0 ppm.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**ABC Drilling** on Site continuing with perched-zone well installations.

**America West Drilling** also installing perched-zone wells.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

Clamshell fittings, which a Harrington Rep said would be available, were not, forcing the cutting and reconnection of the 3" water and 6" containment line at the DAB-8 crossing from the West Trench. The same connection fix, lengths, placement, etc., that properly resolves the DAB-8 lateral to West Trench line connection, will also need to be used for the lateral line crossing to Walker Avenue.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

P-Met with drill crews regarding proposed order of well installations. A TN&A representative is dedicated to each drill crew and will oversee and log well installation activities.

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:021

Delivery Order #:06

Date: 8/24/05  
(Wed.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Removal of contaminated soil stockpiles. The soil was loaded into trucks for off-site disposal.

Y-connection to West Trench line from DAB-8 offshoot line successfully completed for carrier and containment piping. Approximately 200 feet of East Trench right was excavated today, from PC-5 well offshoot line south to DA/DB-11 well offshoot line. In addition, a lateral trenchline was dug, which will allow a dual-containment water line to connect well MW-24-140 into waterline GW-3 along the East Trench. Vapor and dual-containment piping were laid in the trench to the DA/DB-10 well tie-in. The clamshell fittings required to complete the dual containment system for this line will be installed following hydrostatic testing of the carrier piping.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Carried on-person for the day (Personal unit);
- 4) Slauson perimeter fence line (Slauson)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
59 <sup>th</sup> (918)	0.138	0.923
60 <sup>th</sup> (1521)	0.225	4.934
Personal	0.393	29.20
Slauson (1211)	0.204	13.02

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities and to continuously log readings along the 59<sup>th</sup> street perimeter. PID readings for all activities, including those continuously logged, indicated 0.0 ppm.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Health and Safety Officer** - Subcontractor to assume H&S Officer role on Site. Covered documentation, ongoing Site activities, monitoring equipment, potential problems, lines of communication, etc.

**ABC Drilling** on Site, continuing with well installations. A list of activities performed during week for ABC will be provided with the weekly report.

**Miller Brooks** on Site, completing well installations. A list of activities performed during week for MB will be provided with the weekly report.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Properly aligning and connection the 3" water and 6" containment line at the DAB-8 crossing. The connection was difficult due to the angles and containment requirements for the line, but was successfully completed today, including proper placement of centralizers for carrier line support. A Wye clamshell fitting can be installed to complete this section of dual containment line following completion of hydrostatic testing of the carrier line.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:022

Delivery Order #:06

Date: 8/25/05  
(Thurs.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Approximately 240 feet of trench was excavated today.

Approximately 140 feet of East Trench right was excavated today, from DA/DB-11 well offshoot line to just past the DA/DB-8 well offshoot. Dual containment piping was laid for the excavated line.

Approximately 100 feet of West Trench line was excavated today. The trench width continues to be a nominal 60'.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Carried on-person for the day (Personal unit);
- 4) Slauson perimeter fence line (Slauson)
- 5) Exclusion Zone(EZ unit)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA (mg/m3)	Max (mg/m3)
59 <sup>th</sup> (918)	0.097	0.167
60 <sup>th</sup> (1520)	0.130	0.880
Personal (1519)	0.219	29.27
Slauson (1211)	0.140	4.764
EZ (968)	0.128	4.294

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities and to continuously log readings along the 59<sup>th</sup> street perimeter.



## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

During the drilling of well PA-5, on 59<sup>th</sup> Place street, the continuous core sample at a depth of 24 feet below ground surface (bgs) at the well indicated significant contamination, and a PID reading of 350 ppm was recorded. As part of the well drilling activities, soil samples are collected at regular intervals for laboratory analysis.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Health and Safety Officer** - Added to Site safety and is aware of ongoing issues. Has provided valuable input and suggestions to improve safety.

**ABC Drilling** on Site, continuing with well installations. ABC completed three "PA-#" well installations today along 59<sup>th</sup> street. A list of well installations completed during week will be provided with the weekly report.

**Sage Consultants** on Site, performing surveying and staking services. Work performed by Sage today included restaking proposed well locations, delineating existing and to-be-excavated centerlines of East Trench and West Trench, and surveying as-built piping and well locations. As-built grading along trench base was within 0.2% of design or better.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Did not have 4-inch CPVC connections for East Trench VE-3 and VE-4 pipelines. These connectors will be delivered tomorrow.

The expansion joints for the CPVC pipelines are special-order items. Testing and backfilling of the East Trench-right will be delayed pending delivery and installation of the expansion joints.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P,I-Preparatory meeting with Sage at beginning of day, reviewing priority items. As excavation along the West Trench line was nearing the treatment compound area, Sage's first task was to further delineate and mark its centerline. Other priority items, including as-built piping layout and restaking activities were then performed.

Sage also indicated design locations of wells DA/DB-5. Well DA-5 will be installed tomorrow by ABC Drilling.

F-Met with Sage throughout day, reviewing progress and completion of priority items.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:023

Delivery Order #:06

Date: 8/26/05  
(Fri.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Lateral water line GW-2 from West Trench to Walker Ave was connected, similar to connection made from trench centerline to DAB-8. The timely and proper fitting for this dual-containment line into the West Trench trunk was important, as the delays caused by redoing the similarly connected offshoot to DAB-8 was not repeated.

Continued East Trench excavation south, 55 feet. Continued to layout all pipe lines along completed trenchline, including the GW-3 water line, the VE-3 and VE-4 vapor lines, and the air compressed line and electrical conduit line. Photographs were taken of the excavation and piping layouts. Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Carried on-person for the day (Personal unit);
- 4) Slauson perimeter fence line (Slauson)
- 5) EZ - Exclusion Zone/Safety Table (EZ Unit)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
59 <sup>th</sup> (918)	0.087	1.234
60 <sup>th</sup> (1520)	0.097	1.623
Personal (1519)	0.301	57.39
Slauson (1211)	0.072	1.055
EZ (968)	0.112	15.51

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

PID meters used to monitor air space in breathing zones near excavations; in addition, a dedicated PID meter is used to monitor soil cuttings and breathing space for the drilling/well installation activities.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Health and Safety Officer** - Added to Site safety and is aware of ongoing issues. Has provided valuable input and suggestions to improve safety.

**ABC Drilling** on Site. ABC installed deep well DA-5 today. The installed well location is very close to the proposed restroom for the park. According to design drawings, the well is just outside and south of the proposed concrete foundation slab of the restroom. The Park construction contractor is aware of the well and its proximity to the proposed restroom.

**Sage Consultants** on Site during afternoon, performing surveying services. Sage provided existing surface elevations near newly-installed wells, so that well vault construction can begin with an established elevation reference.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

The expansion joints are special-order items. Testing CPVC vapor lines VE-3 and VE-4 and subsequent backfilling of trench will be delayed pending delivery and installation of the expansion joints. The arrival date of the joints is not yet definite, but is anticipated early next week.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P,I-Preparatory meeting with Sage at their arrival, and indicated well locations where an elevation reference was needed. A nail was placed in the ground and the reference elevation recorded. A stake was placed in low-traffic areas around the newly-installed wells, indicating the existing elevation. For wells near the bike path, the existing elevation of the bikepath wall was recorded and indicated on the concrete with a liquid paint marker.

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:024

Delivery Order #:06

Date: 8/27/05  
(Sat.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-90 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Supervisor made excellent decision in the morning to dedicate all of today's labor to progress completion of the West Trench. Over the last week or so, progress along West Trench was significantly less than that of East Trench. By the end of the day, appreciable progress had been made on the West Trench.

Continued excavation along the West Trench centerline, and completed DA/DB-6 offshoot line excavation. Also excavated an angled trench for the rerouted VE-2 vapor line. The VE-2 line reroute was necessary to avoid access issues posed by the planned Park restroom.  
Excavating the PA-2 offshoot line.

Laid major piping along open trench lines, including the newly excavated PA-2 line, the rerouted portion of the VE-2 line, and the DA/DB-6 offshoot line. In all, nearly 600-feet of piping was laid today.

Photographs were taken indicating trenching and piping completions.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Carried on-person for the day (Personal unit);
- 4) Slauson perimeter fence line (Slauson)
- 5) EZ - Exclusion Zone/Safety Table (EZ Unit)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

Area (Unit #)	Daily	
	TWA (mg/m3)	Max (mg/m3)
59 <sup>th</sup> (918)	0.089	0.815
60 <sup>th</sup> (1520)	0.099	0.803
Personal (1519)	0.242	15.92
Slauson (1211)	0.091	2.870
EZ (1210)	0.214	55.49

PID meters used to monitor air space in breathing zones near excavations and in open trenches. No contamination (0.0 ppm) was detected.

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**Health and Safety Officer** - Improvements in potential safety hazards and general safety awareness have occurred as a result of H&S officer's presence and suggestions.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

None.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P - Preparatory meeting for day's work conducted, with crew supervisor dictating day's work activities.

I - Monitored ongoing work as day progressed. Offered tips and suggestions and recounted specification requirements as necessary.

F - Inspected sand fill levels, compaction, piping, etc. No deficiencies observed in today's work.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

---

Contractor's designated quality control representative



## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:025

Delivery Order #:06

Date: 8/29/05  
(Mon.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):65-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

We are nearing completion of the East and West main trunk lines as trenching and piping enters the Treatment Compound area. Approximately 200 feet of electrical conduit and air compress lines were installed today. The fence separating the Support Zone from the Exclusion Zone was also removed as pipeline layout has reached that area. Conjunction of pipelines and coordinating as-built layout of piping with Treatment Compound design is underway.

The East Trench (right) and major portions of the West Trench remain open pending delivery of materials and completion of pressure testing. Following completion of pressure testing, clamshell fittings will be installed and upon successful test results, the trenches will be backfilled.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Slauson perimeter fence line (Slauson)
- 4) Exclusion Zone(EZ unit)

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
59 <sup>th</sup> (918)	0.118	5.740
60 <sup>th</sup> (1520)	0.125	1.793
Slauson (918)	0.089	0.589
EZ (1210)	0.181	15.80

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**ABC Drilling** - ABC installed well DB-5, completing their SOW. They will be demobilizing tomorrow.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

**[PROVIDED IN SEPARATE BINDER]**

4. On-site conditions which resulted in delayed progress:

During excavation of West Trench, encountered two old oil carrier pipelines running parallel approximately 6-inches apart. The lines run north-south and are buried at a depth of less than 1-foot. A 20-foot section of each line was removed, as well as a 6' lateral stub. A minimal amount of oil (~ 1 cup) came out of the severed piping and impacted soil was removed to a waste stockpile, along with the removed piping. The lines continue along the planned excavation route and their removal may need to be coordinated with the City of Maywood.

The expansion joints for the CPVC pipelines are special-order items. Testing and backfilling of the East Trench-right cannot be completed until delivery and installation of the expansion joints.

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

P,I- Addressed spacing concerns with Site Supervisor and lead crewmen. Spacers are to be installed as piping layout continues to ensure proper spacing will be maintained.

I-Reiterated layout order of electrical and air compress lines. A section of air compress line that is too long and bows out along a section of the West Trench will be cut and re-glued so that it lies properly.

P-Installation of check-valves will continue at locations upstream of deep-zone wells to prevent backflow.

F- Measured trench widths, base fill levels and pipeline spacing along West Trench and East Trench. Recorded as-built dimensions and pipeline layout at several locations.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:0026

Delivery Order #:06

Date: 8/30/05  
(Tues.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):68-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Corners of treatment compound delineated by Sage subcontractor. Spectrum Geophysics providing utility information for TC area. The water and gas line that trend north-south across the Site encroach into the proposed concrete pad for TC, a maximum distance of 17 feet. To avoid the lines, the TC will need to be relocated west at least 22 feet (17+5').

Neared completion of trench piping to TC, laying approximately 100' of vapor and dual-containment groundwater lines along both the East and West Trenches. Also installed four clamshell fittings on containment piping along the West Trench. Completion of clamshell installations will follow hydrostatic testing of groundwater lines.

Pressure testing of piping is planned for tomorrow. Open trenches will be backfilled following successful completion of pressure tests.

The metal piping containing old oil that was uncovered at about 1-foot below surface grade yesterday was delineated by Spectrum Geophysics using subsurface radar. The lines only extended another 10-feet before ending, and as such, they were pulled from the ground and placed in the waste collection pile for proper disposal.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Slauson perimeter fence line (Slauson)
- 4) Exclusion Zone(EZ unit)

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA (mg/m3)	Max (mg/m3)
59 <sup>th</sup> (968)	0.151	5.049
60 <sup>th</sup> (1520)	0.112	1.195
Slauson (1211)	0.113	2.355
EZ (918)	0.102	3.084

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**ABC- Demobilizing.** With DAB-5 well installation, ABC has completed work scope.

**Sage on Site** - Surveying as-built trenches and selected locations as needed, including Treatment Compound delineation. Also providing cut/fill information for new wells.

**Spectrum Geophysics** - Spectrum performing subsurface utility location services inside the Site, from Walker to the Treatment Compound. The original design trench location between Walker and the Compound has been moved north so as to be within the Site perimeter-approximately 18.5 feet north of the curb along 60<sup>th</sup> street.

**American Well Drillers** - Developing installed wells. A list of development dates for each new well will be provided with the weekly report through 9/2.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Per Project Engineer, expansion joints will not be needed in the East Trench (right) after all. As testing, backfilling, and completion of that line had been pending delivery and installation of the joints, the fact that they are no longer required will expedite completion of the line. However, unnecessary delays could have been avoided had the correct information regarding the necessity of expansion joints initially been communicated.

Relocation of Treatment Compound due to the encroaching gas line will also cause some delay.

**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT

Contractor's Name: TN&Associates

Contract Number: **DACA45-00-D-0006**

Site Name & Location: Pemaco; Maywood, CA

### INSTRUCTIONS

The contractor shall submit this form daily at the close of business to the on-site COE representative. Concurrently, the contractor shall provide electronic access to the completed forms to the COE district office and the area office.

Report #:027

Delivery Order #:06

Date: 8/31/05  
(Wed.)

Weather: Cool to Hot,  
Overcast to Sunny

Temp. (max & min):68-95 (est)

Rainfall (in):

1. Work performed today by primary contractor on site and/or off site (include a complete description):

Completed stub-ups for all vapor lines. Photographed as-built piping along East Trench.

Completed static tests for West Trench vapor lines VE-2, DPE-A, and DPE-B. The lines were statically tested to 5 psi for one hour. No significant loss on the meter was observed during any of the vapor tests. A slight loss (~0.2 psi) was observed after the hour-long test on the DPE-A vapor line. The line was checked for leaks at fittings and connections using a soapy water solution, and no leaks were detected.

Began hydrostatic testing along West Trench. The carrier pipeline could not hold the 150 psi hydrostatic pressure and failed near the DAB-8 lateral offshoot. The Wye double-containment clamshell fitting leading into the West Trunk line from the lateral was also leaking. The section has to be redone. To repair the line and verify the integrity of the rest of the system, three hydrostatic tests will be performed at that intersection for the line to DAB-8, north to DA/DB-7, and south to the Treatment Compound and extent of the groundwater piping in the West Trench. Of the three runs, the line extending north to DA/DB-7 was tested today. The lateral and header extending south to the TC will be tested tomorrow.

Continued dust-monitoring schedule, with monitoring units placed at the following locations:

- 1) 60<sup>th</sup> Street Perimeter (60th unit);
- 2) Along fence line bordering 59<sup>th</sup> street, (59<sup>th</sup> unit);
- 3) Slauson perimeter fence line (Slauson)
- 4) Exclusion Zone(EZ unit)

## RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.

A time-weighted average (TWA) of dust concentrations as well as maximum concentration (max.) recorded by each unit are indicated below:

Area (Unit #)	Daily	
	TWA(mg/m3)	Max(mg/m3)
59 <sup>th</sup> (918)	0.110	1.629
60 <sup>th</sup> (1520)	0.115	1.392
Slauson (1211)	0.119	3.977
EZ (968)	0.142	12.25

2. Work performed by subcontractors on site and/or off site (include a complete description):

Subcontractors:

**American Well Drillers** - Well Developer on Site, finishing development of installed perched-zone wells. Four of the new wells were found dry, and only one well was that had water sufficient for developed. All newly-installed wells have been developed except for the wells which were found dry. A list of development dates for each new well will be provided with the weekly report through 9/2.

3. Complete and attach the daily personnel cost report at the end of this document and label as Appendix 1.

[PROVIDED IN SEPARATE BINDER]

4. On-site conditions which resulted in delayed progress:

Following meeting with ERH subcontractors, the expansion joint and CPVC material requirement was no longer deemed necessary for any portion of the vapor lines in the East Trench. As completion and testing of that line had been pending delivery and installation of expansion joints, the fact that they are no longer required will expedite completion of the line. However, unnecessary delays could have been avoided had materials requirement been established earlier and in advance of progression of East Trench piping layout.



**RAPID RESPONSE QUALITY CONTROL DAILY REPORT - CONT'D.**

5. Type and results on inspections (indicate whether: P-Preparatory, I-Initial, or F-Final and include satisfactory work completed or deficiencies with action to be taken):

**Safety Meetings:**

Daily tailgate meeting conducted at beginning of day for all personnel and subcontractors on Site, covering general H&S, PPE, and Site hazards. Required H&S forms, daily tailgate form, and AHA's (where applicable), were signed and completed as appropriate.

Certification: I CERTIFY THAT THE ABOVE REPORT IS COMPLETE AND CORRECT AND THAT I, OR MY AUTHORIZED REPRESENTATIVE, HAVE INSPECTED ALL WORK PERFORMED THIS DAY BY THE PRIMARY CONTRACTOR AND EACH SUBCONTRACTOR AND HAVE DETERMINED THAT ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP ARE IN STRICT COMPLIANCE WITH THE PLANS AND SPECIFICATIONS, EXCEPT AS NOTED ABOVE.

\_\_\_\_\_  
Contractor's designated quality control representative